2018-19

PROJECT MANAGEMENT COMPLIANCE REPORT

Name of the Client: Assistant Executive Engineer, Project Sub Division, BBMP, Bangalore.

Agency: **Sri. M Lakkappa,** Contractor, Bangalore.

Name of the Work: Improvements to Ashwathkatte Near Came bridge School Mallasandra Ward No.13, Shettihalli Sub Division, BBMP, Bangalore.

PROJECT MANAGEMENT CONSULTANTS

Quality

JAS-ANZ

ISO 9001:2000 CERTIFIED

M/s. CIVIL QUALITY CONSULTANTS & ENGINEERS

(Buildings Geo-Tech & Road Materials Testing Laboratory)
An ISO 9001: 2008 Certified Company

#133, Bhuvaneshwarinagar, Dodda Basti Main Road, Bangalore-560056
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Name of Work : Improvements to Ashwathkatte Near Came bridge School Mallasandra Ward No.13, Shettihalli Sub Division, BBMP, Bangalore.

Name of Client	:	**Assistant Executive Engineer,** Project Sub Division, BBMP, Bangalore.
Contractor/Agency	:	**Sri. M Lakkappa,** Contractor, Bangalore.
Total Cost	:	Rs. 18.16Lakhs
Date of Inspection	:	19.12.2018
In the Presence of	:	(a) **Assitant Engineer, (Ward No.13),** BBMP, Bangalore.
	:	(b) **Mr. Raghu.H.S,** Engineer M/s Civil Quality Consultants & Engineers, Bangalore.

PMC Report

Sl. No	Description of the Item		Comments / observations
1	KSRB 2-2.2 : Earth work excavation for foundation of buildings, water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth	:	Work done up to the billed quantity and Quality is satisfactory
2	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse	:	Work done up to the billed quantity and Quality is satisfactory
3	Providing and laying in position reinforced cement concrete of design mix M25 With OPC cement.....		Work done up to the billed quantity and Quality is satisfactory
4	Filling available excavated eart (excluding rock).....		Work done up to the billed quantity and Quality is satisfactory
5	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6 stone hammerd dressed		Work done up to the billed quantity and Quality is satisfactory

Asst. Executive Engineer
Project Sub Division-I
Dasarahalli Zone,
Bruhat Bengaluru Mahanagara Palike

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6	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete		Work done up to the billed quantity and Quality is satisfactory
7	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking,		Work done up to the billed quantity and Quality is satisfactory
8	Construction of embackment with apprived material gravel or murroum with all lift and leads.....		Work done up to the billed quantity and Quality is satisfactory
9	Providing and laying flooring using pre polished water cut gangsaw 19mm.....		Work done up to the billed quantity and Quality is satisfactory
10	Providing and fixing 20mm thick gang saw water cut.....	:	Work done up to the billed quantity and Quality is satisfactory
11	Providing and 304 - grade strainless steel hand rails of 14 gauge pipes for ramps.....	:	Work done up to the billed quantity and Quality is satisfactory
12	Providing full nosing for 20mm thick granite slab using required mechinery.....		Work done up to the billed quantity and Quality is satisfactory
13	Providing and laying heavy duty cobble stones 60mm thick.....		Work done up to the billed quantity and Quality is satisfactory
14	Providing and constructing mantaps using sadarahalli granite stones.....	:	Work done up to the billed quantity and Quality is satisfactory

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Authorised Signatory

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Job No.: CQCE/BBMP/ML/W.No.13/2017-18 Date: 12.03.2018

TEST REPORT

CLIENT	:	**Assistant Executive Engineer,** Project Sub Division, BBMP, Bangalore.
AGENCY	:	**Sri. M Lakkappa,** Contractor, Bangalore.
NAME OF THE WORK	:	Improvements to Ashwathkatte Near Came bridge School Mallasandra Ward No.13, Shettihalli Sub Division, BBMP, Bangalore.
SAMPLE ID	:	Cement
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part -5)	135 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	390 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	29.00 %	-

Note:

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⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒ Any Query regarding the report must be reported within 30days from the date of testing.

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Job No.: CQCE/BBMP/ML/W.No.13/2017-18 Date : 12.03.2018

TEST REPORT ON FINE AGGREGATES (SAND)
IS 383-1970 (RA- 2002)

Client : **Assistant Executive Engineer,** Project Sub Division, BBMP, Bangalore.
Agency : **Sri. M Lakkappa,** Contractor, Bangalore.
Name of Work : Improvements to Ashwathkatte Near Came bridge School Mallasandra Ward No.13, Shettihalli Sub Division, BBMP, Bangalore.

Date of Testing : 12.03.2018

Material : Sand Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	81	8.10	8.10	91.9	90-100
2.36	142	14.20	22.30	77.7	75-100
1.18	168	16.80	39.10	60.9	55-90
600 Micron	245	24.50	63.60	36.4	35-59
300 Micron	180	18.00	81.60	18.4	8-30
150 Micron	125	12.50	94.10	5.9	0-10

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Job No: CQCE/BBMP/ML/W.No.13/2017-18 Date : 13.03.2018

TEST REPORT ON COARSE AGGREGATES
IS 383-1970 (RA- 2002)

Client : **Assistant Executive Engineer,** Project Sub Division, BBMP, Bangalore.
Agency : **Sri. M Lakkappa,** Contractor, Bangalore.
Name of Work : Improvements to Ashwathkatte Near Came bridge School Mallasandra Ward No.13, Shettihalli Sub Division, BBMP, Bangalore.

Date of Testing : 12.03.2018
Material : 40mm Aggregates

Total Wt. of Aggregates in gms 15000

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
80	0	0	0	100	100
40	187	1.25	1.25	98.75	95-100
20	8436	56.24	57.49	43.51	30-70
10	3256	21.71	79.19	20.81	10-35
4.75	2630	17.53	96.73	3.27	0-5

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Job No.:

CQCE/BBMP/ML/W.No.13/2017-18 Date : 12.03.2018

TEST REPORT ON COARSE AGGREGATES
IS 383-1970 (RA- 2002)

Client : **Assistant Executive Engineer,** Project Sub Division, BBMP, Bangalore.
Agency : **Sri. M Lakkappa,** Contractor, Bangalore.
Name of Work : Improvements to Ashwathkatte Near Came bridge School Mallasandra Ward No.13, Shettihalli Sub Division, BBMP, Bangalore.

Date of Testing : 12.03.2018

Material : 20mm Aggregates

Total Wt. of Aggregates in gms= **5000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
40	0	0	0	100	100
20	184	3.7	3.7	96.3	95-100
10	2750	55.0	58.7	41.3	25-55
4.75	1765	35.3	94.0	6.0	0-10

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Job No.: CQCE/BBMP/ML/W.No.13/2017-18 Date: 23.03.2018

TEST RESULTS OF PHYSICAL PROPERTIES OF REINFORCEMENT STEEL

Client : **Assistant Executive Engineer,** Project Sub Division, BBMP, Bangalore.
Agency : **Sri. M Lakkappa,** Contractor, Bangalore.
Name of Work : Improvements to Ashwathkatte Near Came bridge School Mallasandra Ward No.13, Shettihalli Sub Division, BBMP, Bangalore.
Sample Identification : 8mm,10mm,12mm,16mm, Fe 500 TMT Bars
Technical Reference : IS 1786:2008, IS 1608:2005, IS 1599:1985 (Reaffirmed 2006)
Date of test : 23.03.2018

S.No	Brand	Nominal size (dia in mm)	Mass per metre (kg/metre)	TENSILE STRENGTH		
				0.20 % proof stress/ yield stress ($N/mm^{2)}$	Tensile strength ($N/mm^{2)}$	Elongation, percent on gauge length
1	Fe 500	8	0.39	542	552	14
2	Fe 500	10	0.62	558	564	15.5
3	Fe 500	12	0.89	569	578	16
4	Fe 500	16	1.59	575	584	17.5

Remarks:
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